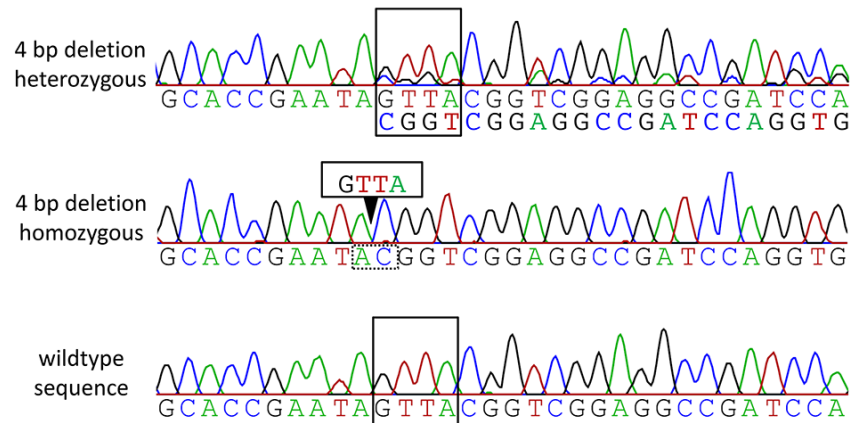


Genetic alterations in seborrheic keratoses

SUPPLEMENTARY MATERIALS

SUPPLEMENTARY FIGURE AND TABLES

CDKN2A exon 1: c.128_132delGTTA, p.S43_Y44delinsTfsX51



Supplementary Figure 1: Sequences showing a 4 bp deletion in exon 1 of CDKN2A in DNA from SK21 lesion as seen by initial Sanger sequencing (upper panel) and after molecular cloning (middle panel). The deletion results in a frameshift leading to premature stop codon.

Supplementary Table 1: Somatic alterations detected through whole-exome sequencing

See Supplementary File 1

Supplementary Table 2: Validated somatic variants detected by Sanger sequencing

See Supplementary File 2

Supplementary Table 3: Overview of Clinical Information and Expression Data for 25 Seborrheic Keratoses

Lesion	Age	Gender	Location	Pathology	History of skin cancer	TERT expression	FGFR3 expression
SK-ES ^a	49	female	trunk	pigmented	melanoma	<i>not detectable</i>	high
SK1	69	male	trunk		BCC	<i>not detectable</i>	high
SK2	81	female	head/neck		<i>no</i>	<i>not detectable</i>	<i>not detectable</i>
SK3	78	male	head/neck	pigmented	<i>no</i>	expression	low
SK4	36	male	trunk	acanthotic	melanoma	<i>not detectable</i>	high
SK5	65	male	head/neck		SCC	<i>not detectable</i>	<i>not detectable</i>
SK6	81	male	head/neck		BCC	<i>not detectable</i>	low
SK7	58	male	trunk		BCC	expression	low
SK8	76	female	extremities		<i>no</i>	<i>not detectable</i>	low
SK9	68	female	trunk		melanoma; BCC; SCC	-	-
SK10	53	male	trunk		<i>no</i>	<i>not detectable</i>	high
SK11	64	male	head/neck	irritated (inflamed)	melanoma	expression	high
SK12	78	male	trunk	pigmented	SCC	<i>not detectable</i>	low
SK13	51	female	trunk		<i>no</i>	<i>not detectable</i>	high
SK14	84	male	head/neck	pigmented	SCC	expression	low
SK15	75	female	trunk		melanoma	<i>not detectable</i>	low
SK16	65	female	trunk		BCC	expression	high
SK17	86	female	trunk		BCC	<i>not detectable</i>	low
SK18	72	male	trunk	pigmented, acanthotic	melanoma; SCC	<i>not detectable</i>	low
SK19	73	female	trunk		melanoma	<i>not detectable</i>	high
SK20	35	male	trunk	acanthotic	<i>no</i>	<i>not detectable</i>	high
SK21	75	male	head/neck		melanoma	<i>not detectable</i>	high
SK22	69	male	trunk	acanthotic	melanoma	<i>not detectable</i>	low
SK23	66	male	head/neck	irritated (inflamed)	<i>no</i>	<i>not detectable</i>	low
SK24	70	male	head/neck		<i>no</i>	expression	high

^a exome sequencing.

Supplementary Table 4: Primer sequences and conditions (Sanger sequencing)

See Supplementary File 3